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US 2596966
EP 166294
US 5162803
- (57) Claim

1. Drive means for adjusting the relative phase shifts produced by a plurality of phase shifters connected to an array of radiating elements, said drive means including:

first means for moving a first portion of a first phase shifter relative to a second portion of said first phase shifter to vary the phase difference between output signals from the first phase shifter; and

second means for moving a first portion of a second phase shifter relative to a second portion of said second phase shifter to vary the phase difference between output signals from the second phase shifter, wherein the second phase shifter is fed from an output of the first phase shifter and the degree of movement of the second means is dependant upon the degree of movement of the first means.

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(11) AU-B-36226/95
(10) 699517

-2-

14. An antenna having two or more radiating elements and electromechanical means responsive to externally supplied drive signals for relatively moving components of one or more phase shifting elements to vary the phase of signals supplied to the respective radiating elements to vary beam tilt of the beam of the antenna.

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